

Steep Slope Roofing Design Requirements

- 1- With the vast array of steep slope products available no specific requirements have been set forth. The following items should however be considered.
- 2- Any product used in steep slope roofing should have a proven history and be recognized by the NRCA.
- 3- All eaves should overhang the wall a minimum of 16”.
- 4- Ice and water shield should extend up the roof 3’ beyond the outside wall.
- 5- Valleys and gutters should be designed so ice dams will not be created.
- 6- All rain gutters, downspouts and internal drain systems are required to have high quality heat cable that is thermostatically controlled.
- 7- Only concealed fasteners will be acceptable in metal roofing. No exposed fasteners will be allowed.
- 8- Minimum of a 10 year leak free manufactures warranty is required on all steep slope roof systems.
- 9- No three – tab shingles are allowed. 30 year minimum laminated shingles should be used.
- 10- Roof pitch should have slope of greater than 4/12. Any slope less than 4/12 should have full ice and water shield installed.
- 11- All material and details should meet the requirements of NRCA, SMACNA, UL and FM.
- 12- Minimum of #30 felt should be used as under-layment.
- 13- Minimum Contractor workmanship Warranty period should be 5 years on DFCM contractor Warranty.
- 14- A DFCM history record is required on all roofing systems.
- 15- The DFCM Roofing program manager should review and approve any variance from that listed above.